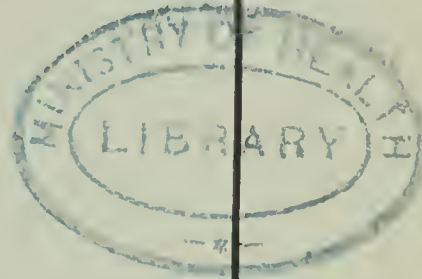


Urban District of Wirksworth



ANNUAL REPORT

of the
Medical Officer of Health
and
Sanitary Inspector

for the year

1948.

W. S. G. Christie, M.B., Ch.B.
Medical Officer of Health

J. Taylor, M.R.S.I., M.S.I.A.
Sanitary Inspector

WIRKSWORTH URBAN DISTRICT COUNCIL:-

1948

Chairman of Council:- Councillor J. Cresswell.
Vice-Chairman:- Councillor W. Wheatcroft.

Members:-
Councillor L. A. Doxey.
" S. B. Fearn.
" B. Gretton.
" N. Harrison.
" L. B. Musson.
" J. J. Slack.
" J. F. Slater.
" Miss A. V. Stafford.
" Rev. W. J. E. Williams.

PUBLIC HEALTH STAFF.

Medical Officer of Health.
(a) Dr. W.S.G. Christie, M.B., Ch.B.

Sanitary Inspector.
(a) J. Taylor, M.R.S.I., M.S.I.A.

Water Superintendent.
F. Hall.

Clerk
Miss E.M. Prince.

Rodent Operator.
Mr. J. T. Toplis.

(a) Salaries contributed to under Exchequer Grants.

WIRKSWORTH URBAN DISTRICT COUNCIL.

Report of the Medical Officer of Health for 1948.

Mr. Chairman and Members of the
Wirksworth Urban District Council,

I have the honour of presenting to you, my annual report
for 1948.

Wirksworth, one time busy centre of Lead Mining, is
situate in an agricultural area which is largely milk-producing.
The sub-soil is of limestone character and limestone quarrying forms
one of the principal industries of the place. Several factories
provide employment, mainly in tape-weaving, and to a lesser degree,
in garment and hosiery manufacture.

GENERAL STATISTICS.

Area (in acres) 4,015

Population: Census (1939) 4,822.

R.G. figures (1942) 4,480. (1944) 4,514. (1945) 4,550. (1946) 4,643.
(1947) 4,684. (1948) 4,850.

Number of Inhabited Houses, 1,510.

Number of Families or Separate Occupiers, 1,518.

This figure is variable owing to the post-war movement
of population, and only a survey of the entire district
would find out the exact population and separate families:

Rateable Value, £21,872.

Sum represented by a Penny Rate, £86. 3. 10.

EXTRACTS FROM VITAL STATISTICS OF THE YEAR.

		Total	Males	Females
Live Births - Legitimate	-	83	40	43
Illegitimate	-	3	2	1
Still Births - Legitimate	-	2	1	1
Illegitimate	-	-	-	-
Birth Rate	-	Live Births	17. 7	
		Still Births	0.41	

The Urban District Council of Wirksworth

LIBRARY

Town Hall,
Wirksworth,
DERBYSHIRE.

26th September, 1949.

The Secretary,
Ministry of Health,
Whitehall,
LONDON, S.W.1.

Sir,

Annual Report of the Medical Officer of Health
and Sanitary Inspector for the Year 1948

Erratum:- Will you please delete from the above report the following words:-

Page 6 - Para. 2 of Water Supply, the words "the complete draining and cleaning out of the reservoirs (which unfortunately had to take place during a dry period) together with".

Page 14 - Para. (1) of Water Supply, the words in the second sentence "thorough draining and cleansing of the open reservoirs and".

I am, Sir,
Your obedient Servant,

(Sgd) J. TAYLOR.

Sanitary Inspector and Surveyor.

The Urban District Council of Wirksworth

LIBRARY

Town Hall,
Wirksworth,
DERBYSHIRE.

26th September, 1949.

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Ministry of Health,
Whitehall,
LONDON, S.W.1.

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(Sgd) J. TAYLOR.

Sanitary Inspector and Surveyor.



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	<u>Total</u>	<u>Males</u>	<u>Females.</u>
<u>Deaths</u>	55	31	24

Death Rate - 11. 3

No. of Women dying in/or in consequence of childbirth - 1
 From Sepsis - 0 From other causes - 1

Death of Infants under 1 year of age:-

		<u>M</u>	<u>F</u>	
Total - 1	Legitimate	1	-	Illegitimate 0
Infantile Death Rate per 1,000	live births	-		11.6

England and Wales - Infantile Death Rate	34
Birth Rate	17.9
Death Rate	10.8

Deaths from Cancer	11
" " Measles	0
" " Whooping Cough	0
" " Diarrhoea (under two years of age)	0
" " Scarlet Fever	0
" " Diphtheria	0

TUBERCULOSIS.

Age Periods.	New Cases.				Deaths.			
	Pulmonary.		Non-Pulmonary.		Pulmonary.		Non-Pulmonary	
	M.	F.	M.	F.	M.	F.	M.	F.
0								
1								
5								
10								
15	1							
20								
25						1		
35								
45	1						1	
55	1				1			
65 & Upwards.								
TOTALS	3	0	0	0	1	1	1	0

PUBLIC HEALTH (PREVENTION OF TUBERCULOSIS) REGULATIONS,
1925.

During the year a notification was received concerning one person engaged in the milk trade. Inspections were carried out and the necessary notice was served requiring the person concerned not to milk cows or to handle vessels used for containing milk or in any way take part in the production, distribution or storage of milk.

PUBLIC HEALTH ACT, 1925. Section 62.

No action has been taken under this section during 1948.

The notification of Tuberculosis appears to be satisfactory.

Other Infectious Diseases notified (other than Tuberculosis) are shown in the following table:-

Disease	Total Cases Notified.	Cases Admitted to Hospital	Total Deaths
Smallpox	None	None	None
Scarlet Fever	"	"	"
Diphtheria	"	"	"
Enteric Fever	"	"	"
Cerebro Spinal Fever	"	"	"
Puerperal Pyrexia	"	"	"
Pneumonia	3	1	1
Measles	6	0	0
Chickenpox	9	0	0
Ophthalmia Neonatorum	0	0	0
Erysipelas	0	0	0
Encephalitis Lethargica	0	0	0
Acute Polio-Myelitis	0	0	0
Whooping Cough	2	0	0

OPHTHALMIA NEONATORUM

Notified	Treated in Hospital	Vision	Deaths
None	-	-	-

NURSING ARRANGEMENTS, HOSPITAL AND OTHER INSTITUTIONS AVAILABLE FOR THE DISTRICT.

HOSPITALS:

The local Cottage Hospital, taken into the General Hospitals Scheme, and now under Derby No.2 Hospital Management Committee continued in its capacity as a small general hospital. It is proposed to make new arrangements in 1949 for this hospital to function as a Maternity Hospital.

The Royal Infirmary, Women's Hospital, Children's Hospital and City Hospital Derby, under No.1 Hospital Management Committee take cases from this district and admissions are conducted on a bed-bureau system. Babington House, Belper, accommodates the aged Chronic type of case.

1. Professional Nursing in the Home.

(a) General Nurse:- one, under the supervision of the County Authority.

2. Midwifery.

(a) One Midwife - under the supervision of the County Authority.

3. Clinics and Treatment Centres.

(a) Maternity - Centre at Matlock, under the control of the County Authority.

(b) Child Welfare - Centre at Wirksworth, under the control of the County Authority.

(c) School Clinics - Centre at Wirksworth, under the control of the County Authority.

(d) Tuberculosis Clinic - Centre at Matlock, under the control of the County Authority.

4. Other Hospitals for the District.

- (a) Tuberculosis - Derbyshire Sanatorium, Nr. Chesterfield.
- (b) Maternity - Accommodation is provided at Derby Hall Maternity Hospital, Derby Road, Matlock.
- (c) Infectious Cases - Heage Isolation Hospital, Heage.

5. Ambulance Facilities.

- (a) Ambulances stationed at Matlock - nearest.
- (b) Derby and District Ambulances available when necessary.

LABORATORY WORK.

Pathological and Bacteriological Examinations are made by the County Council Bacteriological Department.

Number of Specimens sent to the County Laboratory by private practitioners during 1948:-

	Positive	Negative	Total
Diphtheria	-	3	3
Enteric Fever	-	1	1
Phthisis	1	1	2
Miscellaneous	-	-	-
TOTAL	1	5	6

Diphtheria Immunisation.

With the altered arrangements, in the second half of the year under the National Health Service, it is impossible for me to gauge the response to facilities for prophylactic inoculation, but personally I feel there is lack of continuity and direct responsibility.

Vaccination.

So far as I can judge, there is a definite diminution in vaccination.

LIST OF ADOPTIVE ACTS, BYELAWS AND LOCAL REGULATIONS RELATING TO THE PUBLIC HEALTH IN FORCE IN THE DISTRICT.

	Date of Adoption.
Infectious Disease (Prevention) Act, 1890	6th December, 1893
Public Health (Amendment) Act, 1890. Part III (Subject to certain conditions as to Sects. 35 and 38 Order L.G.B. No. 59992 of 22nd January, 1913).	5th March, 1913.
Public Health (Amendment) Act, 1907 (subject to certain conditions as to Sects. 23, 27 and 30 Order L.G.B. No. 63662, 29th May, 1915).	12th July, 1915.

Bye-laws:-

New Streets and Buildings	-	1939	
Common Lodging-Houses	-	1879	
Nuisances	-	1879	
Cleaning Footways, Removal of House Refuse and Cleaning Closets, Privies, Ashpits and Cesspools	-	1879	
Shop Acts, 1912 - 28			25th August, 1930.
do. 1934			26th November, 1934.

Offensive Trades Order of L.G.B.
No. 63721, of 18th June, 1915,
confirming Council's Order of
26th April, 1915, containing
list of offensive trades.

26th April, 1915

Chicken Pox Compulsory Notification
Order for Compulsory Notification.

22nd February, 1926

Public Health Act, 1925, Parts 11.
to IV., except Sections 21, 22 and 44.

2nd May, 1927.

Shops Acts, 1934, came into operation by adoption 1936.

SANITARY CIRCUMSTANCES OF THE AREA.

WATER SUPPLY.

On the whole the water supplies during the year both in respect of the Wirksworth Supply and the Middleton Supply were much more satisfactory than in 1947 - this, of course, being largely due to the rainfall throughout the year.

At one period some concern was caused when the samples of drinking water taken by the Sanitary Inspector were declared to be unsuitable for drinking purposes by the County Bacteriologist. However, following the complete draining and cleaning out of the reservoirs (which unfortunately had to take place during a dry period) together with improvements in the chlorination drip process, satisfactory results were obtained and further samples taken proved fit for drinking. There has been no re-occurrence of this trouble.

The Consulting Engineers of the Council put forward their scheme for auxiliary supplies for the Wirksworth area during the year, but unfortunately some delay has occurred with regard to the acquisition of the necessary land. It is hoped that agreement will be reached in the near future as the additional supply is urgently required now that the town is growing.

The Wigwell Diesel Engine had a complete breakdown in 1948 and for a long period the Council used a Gardner Diesel Engine temporarily installed and complete with a "V" Belt Drive to the Pump. Fortunately the necessary repairs have now been executed and a completely re-conditioned Diesel Engine has now been installed.

The installation of the new water mains to the Middleton Housing Site was completed during the year by a firm of outside Contractors.



Some difficulties have been experienced with the Hydrostat at Via Gellia and for the major portion of the time it was necessary to use the Electric Motor,

SEWERAGE AND SEWAGE DISPOSAL.

The Council's Consulting Engineers submitted their scheme for the extension of the existing Sewage Works, at Derby Road, Wirksworth, and a Ministry of Health Inquiry was held at the Town Hall, Wirksworth, when evidence was given on behalf of the Council by the Clerk to the Council, The Surveyor and Sanitary Inspector and Messrs. Elliott and Brown (Consulting Engineers), following inspections at the site by the Ministry of Health Engineer and Council Officials, the Urban District Council finally received approval of the Ministry of Health for the carrying out of the greater portion of the scheme. This will include a new Pyramidal Settling Tank, new Storm Tanks, new Mud Drying Beds, new Humus Tank, Pumping Station and two new Bacterial Filters, together with many other minor alterations at the Main Derby Road Sewage Works and in addition to this includes for the relaying of certain lengths of sewer throughout the district which at present have insufficient fall, together with the improvement of various Storm Overflows.

Great improvements have also been carried out at the Homesford Sewage Outfall Works. A new Overfed Rotary Distributor has been fitted and a new Circular Bacterial Filter constructed by the Council's own Staff. Additions and improvements have also been carried out to the Settling Tanks.

Again it was found necessary to cleanse and drag low gradient sewers throughout the area during the year, but it is hoped that much of this will be obviated when the new work as outlined above takes place.. This work together with the re-construction of the Sewage Works at Derby Road, Wirksworth, is expected to take place during the year 1949.

HOUSING.

The progress of the New Council Housing Estates has been most disappointing during the year 1948, owing to a series of

circumstances over which the Council had no control. It is hoped that in 1949 new tenders will be received and a fresh Contractor take over the work.

The number of Council Houses erected in 1948 was as follows:-

COUNCIL HOUSING:-

Wirksworth:- Completed:- 4 "D" Type Houses
2 "C" Type Houses
6 "E" Type Bungalows.

In addition to the above there have been four bungalows erected by Private Enterprise in the Urban District during the period under review.

GENERALLY.

The Council must feel very gratified by reason of the fact that during 1948 there was not one case of diphtheria or scarlet fever notified throughout the Urban District Area and this is indeed a record of which the Council may be justifiably proud.

This area does enjoy a very clean bill of health and compares very favourably indeed with other districts in this respect.

I have the honour to be,

Mr. Chairman, Madam & Gentlemen,

Your obedient Servant,

W. S. G. CHRISTIE.

REPORT OF THE SANITARY INSPECTOR FOR THE WIRKSWORTH

URBAN DISTRICT FOR THE YEAR 1948.

SANITARY INSPECTOR:-

J. TAYLOR, M.R.S.I., M.S.I.A.

To the Chairman and Members of the
Wirksworth Urban District Council.

Madam and Gentlemen,

I have the honour of presenting to you my third annual report.

During the year 1948 the Council experienced great difficulties with their Housing Contracts in Wirksworth and unfortunately, therefore, I am not able to report the continued progress which I had hoped. There are still 26 New Council Houses to be erected on the Derby Road Wirksworth Site and although the roads, sewers and water mains have been completed on the Middleton Housing Site yet no building has so far taken place. Having regard to the urgency of the situation, it is the Council's intention if possible in 1949 to erect Unity Non-traditional Permanent Prefabricated Houses on the Middleton Estate in order to speed up the completion of the housing programme and so alleviate the housing shortage in this district.

VISITS AND INSPECTIONS MADE 1948.

The following table of inspections made, notices served and Nuisances abated is appended for your information:-

CLOSETS AND ASHPITS.	No. of Inspections made by Sanitary Inspector.	No. of Notices Served		No. of Nuisances abated with or without notice.
		Informal	Legal	
Defective Privies, Pail Closets and Ashpits (Not for Conversion).	54	40	-	7
Conversion of Privies into W.C's.	21	12	-	3
Conversion of Pail Closets into W.C's.	58	44	-	7
Conversion of Privies into Pail Closets.	6	2	-	2
Defective Water Closets.	50	48	-	40
Provision of Additional Water Closets.	22	19	-	7
Provision of Portable Ashbins.	71	70	-	26
Dirty Closets.	-	-	-	-

<u>DRAINAGE.</u>				
No disconnection of Waste Pipe.	5	4	-	2
Defective Waste Pipe, Traps, Inlets and Drains.	318	252	-	135
Drains Obstructed.	112	102	-	68
<u>OTHER DEFECTS.</u>				
Paving of Courts and Yards.	153	101	-	86
Roofs, Eaves-Spouts and Down-Spouts.	164	125	-	72
Sinks.	68	41	-	22
Insufficient Ventilation.	60	48	-	21
Windows.	54	43	-	16
Dampness.	109	88	-	44
Water in Cellars.	44	30	-	15
Water Supply.	215	153	-	95
Overcrowding	7	7	-	2
Foul Condition of Houses.	25	21	-	17
Offensive Accumulations.	120	100	-	34
Animals improperly kept.	3	3	-	1
Pigsties.	16	14	-	5
Smoke Nuisances.	6	3	-	-
Urinals.	12	9	-	4
Nuisances not specified above.	625	456	-	300
Totals	2398	1835	-	1031

	No. on Register.	Inspections Made	Notices Served.	Nuisances abated without Notice.
Dairies, Cowsheds and Milkshops.	60	54	25	13
Bakehouses.	4	12	7	2
Slaughterhouses.	3	11	10	5
Offensive Trades.	-	-	-	-
Common Lodging-houses.	-	-	-	-
Totals	65	49	39	15

STATISTICS FROM VALUATION LIST.

It is suggested that the following list of statistics will be of interest to the Council and these have been amended to date:

	No.	R.V.
Dwelling Houses.	1,431	12,918
Houses and Shops.	53	1,267
Shops.	42	627
Banks, Offices etc.	6	246
Licensed Houses.	16	908
Clubs.	3	92
Cinemas.	1	213
Public & Semi-Public Buildings.	13	288
Schools etc.	7	407
Garages, Stables, etc.	35	293
Miscellaneous Buildings.	39	232
Quarries.	7	875

	No.	R.V.
Factories and Workshops (Industrial)	14	211
do. do. (Non-Industrial)	18	96
Sports Grounds.	2	10
Land (other than Agricultural)	4	18
Railways and Canals	-	-
Crown Property	2	21
Public Utility Undertakings	7	2,651
Agricultural Dwelling Houses	25	211
Hereditaments with Nil R.V.	11	-
	<u>1,736</u>	<u>21,584</u>

Total No. of occupied hereditaments - 1,545.

3) No. of houses converted from Pail Closets, Privies etc. to Water Closets during the year 1948 - 10.

No. of Pail Closets etc. converted to Water Closets during the past 10 years.

Year -	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948
No. -	11	15	5	54	5	2	Nil	3	2	10

4) Approximate Number of Houses at 31st December, 1948 with:-

(a) Privy Middens	-	66
(b) Pail Closets	-	116
(c) Water Closets	-	1306

5) HOUSING.

Reference to my 1947 annual report will remind you of the difficulties encountered during that year in securing repairs to houses owing to lack of materials and licensing. Luckily in July, 1948, the year at present under review, the amount of work able to be carried out without a licence was fixed at £100 and since that time it has been possible to persuade owners to carry out many of the long-outstanding repairs and so to some degree improve the general standard of many properties. I feel sure that the 1947 reports of Sanitary Inspectors throughout the Country (all of which pointed out the alarming increase of dilapidations to houses in the Country) were in no small degree responsible for the £100 relaxation and it is very gratifying when such results are secured.

Unfortunately licensing is not the only "Nigger in the Woodpile" with regard to repairs of old properties, and the other which is by no means a small one, is finance. It is becoming quite obvious that owners of old properties receiving very small rentals cannot possibly afford to carry out urgent repairs at present day prices, and I am sure that Sanitary Inspectors throughout the

country find themselves in sympathy both with the tenants who have to occupy old properties and also with the unfortunate people who own them.

Building licences both for new houses and for repairs continue to be issued by my department.

As stated in my opening remarks to this report the Council Housing progress during 1948 has been most unfortunate owing to a series of circumstances outside the Council's control; a total of 12 new Council Houses having been completed during the year.

As the months go by and as maintenance repairs on Council Housing property increases it becomes, however, more evident that this Council will have to set up a separate Housing Department and I particularly mention this fact each year in order to keep it before your notice.

MEDICAL OFFICER OF HEALTH

W.S.G. CHRISTIE, M.B.Ch.B. (PART TIME. HALF SALARY CONTRIBUTED)

SANITARY INSPECTOR AND SURVEYOR

J. TAYLOR, M.R.S.I., M.S.I.A. (FULL TIME. HALF SALARY CONTRIBUTED)

HOUSING

NO. OF HOUSES ERECTED DURING THE YEAR:- 1948.

1. By Private Enterprise - 4

2. By Local Authority - 12

1. INSPECTION OF DWELLING HOUSES DURING THE YEAR:-

(1) (a)	Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	182
(b)	Number of inspections made for the purpose	535
(2) (a)	Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925.	6
(b)	Number of inspections made for the purpose	16
(3)	Number of dwelling-houses found to be in a state so dangerous or injurious to Health as to be unfit for human habitation.	5
(4)	Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation.	177

2. REMEDY OF DEFECTS DURING THE YEAR WITHOUT SERVICE OF FORMAL NOTICES:-

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers 148

3. PROCEEDING UNDER SECTION 11 AND 13 OF THE HOUSING ACT, 1936:-

- | | |
|---|---|
| (1) Number of dwelling-houses in respect of which Demolition Orders were made | 1 |
| (2) Number of dwelling-houses demolished in pursuance of Demolition Orders. | - |
| (3) (a) Number of houses demolished in anticipation of formal procedure under the Housing Act, 1936 | - |
| (b) Number of dwelling-houses where undertakings were accepted. | 4 |

COMMON LODGING HOUSES.

- 6) There are no Common Lodging Houses in the area.

TENTS, VANS & TEMPORARY STRUCTURES.

7) During the year it has been necessary to again keep a close watch on this type of development. In two instances informal proceedings were taken and the caravans in question were removed after some initial difficulties. The Urban District of Wirksworth has reason to be proud of its firm attitude towards this "Shack Development" and its area is accordingly clear of such eyesores. Unfortunately, however, a caravan colony appears to be growing on the Northern outskirts, but as this falls within the administrative area of an adjoining Urban District, this Council can do little other than to protest to the Council concerned.

In August of this year the Council was particularly pleased to officially welcome a Rally of the Caravan Club to this area in order to show to the public the difference between organised camping and unorganised squalor.

INFECTIOUS DISEASE & DISINFECTION.

8) The district had a splendid record under this heading during the year 1948. Not one case of Scarlet Fever or Diphtheria was reported throughout the area and this is indeed a record for the Urban District of Wirksworth.

In cases of Tuberculosis or any other instance where the Medical Officer of Health feels it to be necessary then the usual terminal disinfection is carried out.

DISINFESTATION.

9) Powder Blowers and Liquid Pressure Sprayers have continued to be used throughout the year whenever the occasion arose, but I am happy to state that there have been no severe infestations brought to my notice.

The chief trouble in a town the age of Wirksworth is that of woodworm infestation in the timbers of the very old properties.

10) WATER SUPPLY DURING THE YEAR, 1948.

MONTH	RAINFALL			YIELDS OF SPRINGS IN GALLONS PER HOUR 1948.	
	1946 inches	1947 inches	1948 inches		
January	2.59	3.53	No Reading)	No Readings Available.
February	5.15	4.03	2.16)	
March	1.26	7.08	1.07)	
April	0.93	2.88	2.03		5,062
May	1.30	2.48	1.90		3,733
June	5.00	1.76	3.51		3,986
July	2.82	2.40	1.51		3,480
August	5.45	0.65	6.06) 1st.	2,995
September	0.12	1.94	2.24) 2nd.	4,556
					4,340
October	0.73	0.43	2.04		4,429
November	7.04	3.22	1.80		3,880
December	4.07	3.13	5.01		4,673
TOTAL	36.46	33.53	29.33 (Less Jan.)		

(i) On the whole water supplies to Middleton and Wirksworth have been satisfactory throughout the year both as regards quality and quantity, but there was one period in August and September when the Wirksworth Supply gave rise to some anxiety. After thorough draining and cleansing of the open reservoirs and alterations in the chlorination procedure this trouble was, however, overcome and since that time there has been little cause to worry. The Council were of course lucky during 1948 in that the yield of the springs was far better than 1947.

(ii) Frequent bacteriological and chemical examinations were made of the raw water at the works as well as the treated water before going into supply.

47, Samples in all were submitted during the year to the County Analyst and Bacteriologist and herewith are results selected at random:-

R.W. Sutton, B.Sc., F.R.I.C.,
County Analyst.

County Offices,
St. Mary's Gate,
DERBY.

CERTIFICATE OF ANALYSIS.

Sample of water labelled: No.1 - Dunsley Spring water from ram feed,
Via Gellia Pump House.

Received from: Wirksworth Urban District Council (submitted by
Mr. Taylor).

Date sample taken: 4th November, 1948.

RESULTS OF ANALYSIS.

(a) Physical Examination

Colour	Colourless
Appearance	Clear
Taste	nil
Smell	nil

(b) General Chemical Examination

Reaction	pH	7.95		
Free Carbon Dioxide as CO ₂		2.5	parts	per million
Ammoniacal Nitrogen as N		0	"	"
Albuminoid Nitrogen as N		0.008	"	"
Nitrous Nitrogen as N		0	"	"
Nitric Nitrogen as N		1.5	"	"
Hardness as CaCO ₃ (Hehner):				
Temporary		177	"	"
Permanent		45	"	"
Pormanganate figure		0.06	"	"
Alkalinity as CaCO ₃		177	"	"
Total Solids		260	"	"

(c) Mineral Analysis

Calcium as Ca	86.9	"	"	"
Magnesium as Mg	1.2	"	"	"
Sodium as Na	4.0	"	"	"
Carbonate as CO ₃	105.9	"	"	"
Chloride as Cl	10.0	"	"	"
Sulphate as SO ₄	33.2	"	"	"
Nitrate as NO ₃	6.6	"	"	"
Iron	0	"	"	"

(d) Other determinations

Silica	3.8	"	"	"
--------	-----	---	---	---

In appearance the sample was clear and colourless.

The analytical results show the presence of only small proportions of unoxidised organic matter and the chemical analysis affords no evidence of the occurrence of pollution.

(Signed) R. W. SUTTON,
County Analyst.

J.B.S. Morgan
B.Sc., M.B., M.R.C.S., D.P.H.

County Medical Officer.

DERBYSHIRE COUNTY COUNCIL
Public Health Laboratory
County Offices, St. Mary's
Gate, Derby.

BACTERIOLOGICAL WATER REPORT.

Authority Wirksworth U.D.C.

Source of Supply Via Gellia Pump House.

Date of Receipt 4.11.48. Age in Hours 2.

CL. WELCHII NOT DONE

DIFFERENTIAL COLIFORM COUNT.

Probable number of coliform bacilli present = NIL
per 100 ml.

DIFFERENTIAL COLIFORM TEST.

Probable number of faecal B. Coli = ----- per 100 ml.

PLATE COUNTS:-

Number of colonies in agar after 48 hours incubation at 37°C.
= 3 per ml.,

Number of colonies in agar after 72 hours incubation at 20°C
= 8 per ml.

Bacteriologically the sample of water is suitable for drinking
purposes.

Date 8. 11. 48.

J. C. G. IREDALE
County Bacteriologist.

R.W. Sutton, B.Sc., F.R.I.C.,
County Analyst,

County Offices,
St. Mary's Gate,
DERBY.

CERTIFICATE OF ANALYSIS

Sample of Water labelled: No. 4-Water from Wirksworth Springs at
point of delivery into measured
chamber.

Received from: Wirksworth Urban District Council (submitted by
Mr. Taylor)

Date sample taken: 4th November, 1948.

RESULTS OF ANALYSIS.

(a) Physical Examination

Colour	Colourless
Appearance	Clear
Taste	nil
Smell	nil

(b) General Chemical Examination

Reaction	pH	7.2		
Free Carbon Dioxide as CO ₂		6.5	parts	per million
Ammoniacal Nitrogen as N		0.016	"	" "
Albuminoid Nitrogen as N		0.024	"	" "
Nitrous Nitrogen as N		0	"	" "
Nitric Nitrogen as N		3.3	"	" "
Hardness as CaCO ₃ (Hehner):				
Temporary		49		
Permanent		26		
Permanganate figure		0.10	"	" "
Alkalinity as CaCO ₃		49	"	" "
Total Solids		164	"	" "

(c) Mineral Analysis

Calcium as Ca	15.5	"	"	"
Magnesium as Mg	8.8	"	"	"
Sodium as Na	8.1	"	"	"
Carbonate as CO ₃	29.4	"	"	"
Chloride as Cl	14.5	"	"	"
Sulphate as SO ₄	11.2	"	"	"
Nitrate as NO ₃	14.6	"	"	"
Iron	0	"	"	"

(d) Other determinations

Silica	8.9	"	"	"
--------	-----	---	---	---

In appearance the sample was clear and colourless.

The analytical results show the presence of only small proportions of unoxidised organic matter and the chemical analysis affords no evidence of the occurrence of pollution.

(Signed) R. W. SUTTON.
County Analyst.

J. Taylor, Esq.,
Sanitary Inspector,
Wirksworth U.D.C.
Town Hall,
Wirksworth.

J.B.S. Morgan
B.Sc., M.B., M.R.C.S., D.P.H.
County Medical Officer.

DERBYSHIRE COUNTY COUNCIL
Public Health Laboratory
County Offices, St. Mary's Gate,
Derby.

BACTERIOLOGICAL WATER REPORT.

Authority Wirksworth U.D.C.

Source of Sample Spring-point of delivery into measuring chamber.

Date of Receipt 4.11.48 Age in Hours $1\frac{1}{4}$

CL. WELCHII NOT DONE

PRESUMPTIVE COLIFORM COUNT

Probable number of coliform bacilli present = NIL
per 100 ml.

DIFFERENTIAL COLIFORM TEST.

Probable number of faecal B. Coli = ----- per 100 ml.

PLATE COUNTS:-

Number of colonies in agar after 48 hours incubation at 37°C.

= 5 per ml.

Number of colonies in agar after 72 hours incubation at 20°C.

= 11 per ml.

Bacteriologically the sample of water is suitable for drinking purposes.

Date 8.11.48

J. C. G. IREDALE
County Bacteriologist.

(iii) The raw and treated waters have practically no plumbosolvent action, and I enclose herewith copy of the only chemical analysis appropriate in this respect:-

R.W. Sutton, B.Sc., F.R.I.C.
County Analyst.

County Offices,
St. Mary's Gate,
Derby.

11th November, 1948.

CERTIFICATE OF ANALYSIS.

Sample of Water labelled: No.3- Wigwell borehole water at discharge point into Wash Green Reservoir.

Received from: Wirksworth Urban District Council (submitted by Mr. Taylor)

Date sample taken: 4th November, 1948.

RESULTS OF ANALYSIS.

(a) Physical Examination

Colour	Colourless
Appearance	Clear
Taste	nil
Smell	nil

(b) General Chemical Examination

Reaction	pH 6.9			
Free Carbon Dioxide as CO ₂	30.0	parts	per	million
Ammoniacal Nitrogen as N	0	"	"	"
Albuminoid Nitrogen as N	0	"	"	"
Nitrous Nitrogen as N	0	"	"	"
Nitric Nitrogen as N	1.3	"	"	"
Hardness as CaCO ₃ (Hehner):				
Temporary	106	"	"	"
Permanent	28	"	"	"
Permanganate figure	0.02	"	"	"
Alkalinity as CaCO ₃	106	"	"	"
Total Solids	169	"	"	"

(c) Mineral Analysis

Calcium as Ca	28.5	"	"	"
Magnesium as Mg	15.2	"	"	"
Sodium as Na	7.8	"	"	"
Carbonate as CO ₃	63.4	"	"	"
Chloride as Cl	12.0	"	"	"
Sulphate as SO ₄	22.5	"	"	"
Nitrate as NO ₃	5.8	"	"	"
Iron	0	"	"	"

(d) Other determinations
Silica

10.1 parts per million

In appearance the sample was clear and colourless.

The analytical results show the presence of only small proportions of unoxidised organic matter and the chemical analysis affords no evidence of the occurrence of pollution.

The sample was slightly on the acid side of neutrality and may be capable of exerting some solvent action on metals. The sample I received was free from metallic contamination.

(Signed) R.W. SUTTON,
County Analyst.

J. Taylor, Esq.,
Sanitary Inspector,
Wirksworth.

(iv) The only instance in which samples were found to be unfit for drinking purposes was during that period of the year to which I have already referred earlier in this report, and it will have been noted that the necessary measures were taken to immediately render the supplies wholesome.

APPROXIMATE FIGURES FROM INFORMATION AVAILABLE.

- (v) (a) Number of Dwelling Houses supplied from Public Water Mains
direct houses 1,426.
(b) Number of Population supplied from Public Water Mains
direct to houses 4,499.
(c) Number of Population supplied from Public Water Mains by
means of stand pipes 68.
(d) Number of Dwelling Houses supplied from Public Water Mains
by means of stand pipes 21.

REFUSE COLLECTION.

(11) The Council's Refuse Collection Vehicle makes a weekly collection of household and trade refuse; a charge being levied in the case of all trade refuse bins in excess of the first one, or alternatively tradesmen are permitted to take a load of refuse to the Council's Tip on payment of a fee of 2/- per load.

A fortnightly collection of waste paper and cardboard from business premises and schools is in operation. During the year all the schools were visited together with a Board of Trade Representative when the children were urged to collect salvage for the Government's Salvage Drive.

In my 1947 report I drew attention to the Gorsey Bank Tip which on account of its unfortunate position has been a continual source of worry to me. I am happy to be able to report that tipping

of refuse on this site has now been entirely discontinued and the refuse is now conveyed to a new site on the outskirts of the town.

I would again draw the Council's attention to the fact that the time has arrived when the provision of a general utility vehicle for Highway and Water duties is essential

<u>Cost of Refuse Collection and Disposal for 1948.</u>		
<u>Total Cost</u> <u>for Whole Year.</u>	<u>Cost per Hour</u> <u>for Whole Year.</u>	<u>Cost per Head</u> <u>for Whole Year.</u>
	s. d.	s. d.
£1,315. 14. 7	17. 5	5. 5
<u>TOTAL COST PER HEAD PER WEEK FOR WEEKLY REFUSE COLLECTION.</u>		
01.24d. per week.		

12) ATMOSPHERIC POLLUTION - SMOKE ABATEMENT.

Further to my 1947 report, I am sorry to state that the smoke nuisance caused by the new pasteurising plant in the district has not yet been properly abated.

Steps are now being taken to encourage the proprietor to install a gas fired boiler and it is hoped that if this can be done then the problem will be solved.

13) RATS AND MICE (DESTRUCTION) ACT, 1919
INFESTATION ORDER, 1943.

Mr. Toplis, Rodent Operator, has continued to carry out excellent work under the above Act and Order during the year 1948, and I feel that the Council are lucky in possessing the services of so experienced an Operator. The Ministry of Food Rodent Inspector has met Mr. Toplis and myself at intervals throughout the year and has again been satisfied with the work undertaken.

14) FOOD AND MEAT INSPECTION.

All meat is supplied from the Central Abattoir, Derby, and again I should like to state that for the most part co-operation with the Manager of the Wholesale Meat Supply Association at Derby has been good.

Inspection of meat, slaughter-houses, shops, stalls and vehicles and other places where food is prepared have been carried out, quite often in company with the Medical Officer of Health.

As all animals are killed and the carcasses inspected at the Derby Abattoir it is impossible for me to complete the table in the form set out in Circular 3/49, but I would like to state that although the meat delivered to Wirksworth Butchers has not been diseased yet it has in many instances been of a very inferior quality and has caused no little anxiety both to the Medical Officer of Health and to myself. Trouble with inferior meat supplies came to a head in the early part of the year 1949, and I shall, of course, ^{be} reporting further upon this matter in my 1949 report.

There has been some improvement in the transportation of meat but much more is necessary before the delivery and transport of this product can be pronounced in all respects hygienic and satisfactory.

No legal action has been necessary in the case of unsound food during 1948, but on numerous occasions it has been found necessary to condemn various articles of food all of which have been voluntarily surrendered by the shop keepers concerned.

15) FOOD POISONING OUTBREAKS.

There have been no cases of food poisoning outbreaks in this area during the year.

16) COWSHEDS AND DAIRIES -
MILK SPECIAL DESIGNATIONS ORDER.

The number of Cowkeepers, Dairymen and Purveyors of Milk within the Urban District is as follows:-

Retail Purveyors of Milk	- 43
Wholesale Traders & Producers	- 59

There has been no increase in the number of graded milk licences granted in this district during the year 1948 and the total number of farms producing accredited milk is five.

Again throughout the year I have enjoyed full co-operation with Mr. S. Leslie the Milk Production Officer of the Ministry of Agriculture and Fisheries, and the results of our joint inspections to farm have been most gratifying; 54 inspections of farms, dairies and cowsheds having been carried out in 1948.

Twice monthly samples of milk are taken from the licensed pasteurising plant in the district and the only two occasions on which the results were declared unsatisfactory by the County

Bacteriologist were traced to small defects in the pasteurising plant (such as leaking glands) which were quickly rectified. The remainder of the results have been entirely satisfactory both for the Methylene Blue Tests and the Phosphatase Tests.

In one instance during the year it was necessary for the Medical Officer of Health to serve notices under the Milk and Dairies Order, 1926 Section 19(2) restraining persons from milking or from taking any part in the production, distribution or storage of milk.

17) FOOD AND DRUGS ACT, 1938.

Once again the County Analyst, Mr. R.W. Sutton, B.Sc., F.R.I.C., F.C.S., has kindly supplied me with the undermentioned particulars of samples taken in this district on behalf of the Council as Food and Drugs Authority:-

38 Samples were taken under the above Act in the year 1948, 18 of these being Milks.

Proceedings were taken in respect of a sample of Milk seriously deficient in Fat. The vendor was Fined £5. together with £3.3.0d. costs.

Three other samples of Milk were deficient in Fat and the vendors were cautioned.

The remaining samples were all classed as satisfactory.

On many occasions during the year under review I have worked in conjunction with Mr. Clark, the Milk Sampling Officer of the Derbyshire County Council, and I should like to take this opportunity of thanking him for his continued co-operation.

18) FISH - FRYING PREMISES.

Fish Shops and stalls throughout the area have been regularly visited, and I have no complaints to register in this respect, except for the fact that on various occasions it has been necessary to condemn and destroy certain consignments of fish. I would hasten to add, however, that on each occasion the fish was voluntarily surrendered for the purpose of having the same destroyed or so disposed of as to prevent the use for human consumption.

19)

ICE-CREAM
(HEAT TREATMENT) REGULATIONS, 1947.
ICE-CREAM REGULATIONS - FOOD AND DRUGS ACT, 1938.

There were in 1948 seven premises registered for the manufacture or sale of ice-cream in the Wirksworth Urban District and the majority of these sold only pre-packed ice-cream or loose ice-cream manufactured outside the district.

Samples of ice-cream were submitted during the year to the County Bacteriologist for classification into provisional grades.

I have in addition to this maintained close liaison with Sanitary Inspectors of adjoining districts in which ice-cream is manufactured and afterwards brought into the Wirksworth Urban Area for sale, both as regards sampling and inspection of places of production.

20)

FACTORIES ACT, 1937 & 1948.

The following summary of the annual report in respect of the year 1948 for the Urban District of Wirksworth in the County of Derbyshire sets out the prescribed particulars on the administration of the Factories Act, 1937:-

PART 1 OF THE ACT.

1. INSPECTIONS for purposes of provisions as to health (including inspections made by Sanitary Inspectors).

Premises (1)	M/c Line No. (2)	Number on Register (3)	Number of			M/c Line No. (7)
			Inspect- ions (4)	Written notices (5)	Occupiers prosecuted (6)	
(i) Factories in which Sections 1,2,3,4 and 6 are to be enforced by Local Authorities	1	26	12	7	Nil	1
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority.	2	25	5	4	Nil	2
(ii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	3	2	6	Nil	Nil	3
TOTAL		53	23	11	Nil	

2. CASES IN WHICH DEFECTS WERE FOUND.

(If defects are discovered at the premises on two, three or more separate occasions they should be reckoned as two, three or more "cases")

Particulars	M/c Line No.	Number of cases in which defects were found				No. of cases in which prosecu- tions were instit- uted.	M/c Line No.
		Found	Remed- ied.	To H.M. Inspect- or.	Referred By H.M. Inspect- or.		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Want of clean- liness (S.I.)	4	Nil	Nil	Nil	Nil	Nil	4
Overcrowding (S.2.)	5	Nil	Nil	Nil	Nil	Nil	5
Unreasonable temperature (S3)	6	Nil	Nil	Nil	Nil	Nil	6
Inadequate Ventilation (S4)	7	Nil	Nil	Nil	Nil	Nil	7
Ineffective drainage of floors (S.6)	8	Nil	Nil	Nil	Nil	Nil	8
Sanitary Con- veniences (S.7)	9	Nil	Nil	Nil	Nil	Nil	9
(a)insufficient							
(b)Unsuitable or defective							
(c) Not separ- ate for sexes	11	Nil	Nil	Nil	Nil	Nil	11
Other offences against the Act (not including offences relat- ing to Outwork)	12	One	One	One	Nil	Nil	12
TOTAL	60	One	One	One	Nil	Nil	60

PART VIII OF THE ACT.

OUTWORK.

(Sections 110 and 111).

Nature of Work.	M/c Line No.	Section 110			Section 111			
		No. of Out-workers in August list required by Sect. 110 (1) (c)	No. of cases of default in sending lists to the Council.	No. of prosecutions for failure to supply lists.	No. of instances of work in un-whole-some premises.	Not-ices Ser-ved	Pros-ecut-ions.	M/c Line No.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Wear-) Making, etc ing) Cleaning app-) and arel) Washing	13	6	Nil	Nil	Nil	Nil	Nil	13
	15-44	Nil	Nil	Nil	Nil	Nil	Nil	15-44
TOTAL	70	6	Nil	Nil	Nil	Nil	Nil	70

Further inspections under Section 34 of the Factories Act, 1937 for Certificates as to Means of Escape in Case of Fire were carried out during the year.

In one particular instance following a written report from the Ministry of Works, I arranged a joint inspection with His Majesty's Inspector of Factories Mr. R.L. Lind in respect of some rather old factory premises within this area. I am happy to state that at this factory in question new buildings are now in course of erection.

21) BAKEHOUSES.

Regular visits to the Bakehouses in this district have proved that a reasonable standard of hygiene is being aimed at, and it has been possible to secure various minor repairs.

One again may I express to the Medical Officer of Health and other Chief Officials of this Council my appreciation of their assistance, and in addition, may I take this opportunity of offering my thanks to the Chairman and Members of the Housing and Sanitary Committee for their continued support throughout the period under review.

I am, Gentlemen,

Your obedient Servant,.

J. TAYLOR,

25. Sanitary Inspector & Surveyor.

